

H3

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I. SITE PREPARATION

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other objectionable material shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.

Areas to be covered by the pond or reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface.

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

II. EARTH FILL

The fill material shall be taken from approved designated borrow area or areas. It shall be free of roots, stumps, wood, rubbish, oversize stones, frozen or other objectionable materials. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height all along the length of the embankment shall be increased above the design elevation (including freeboard) as shown on the plans.

Placement

Areas on which fill to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in 8-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment.

Compaction

The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction can be obtained with the equipment used.

Where a minimum required density is specified, each layer of fill shall be compacted as necessary to obtain that density and is to be certified by the Engineer.

Cutoff Trench

Where specified, a cutoff trench shall be excavated along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be as shown on the drawings, with the minimum width being four feet. The depth shall be at least four feet or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill material for the cutoff trench shall be the most impervious material available and shall be compacted with equipment or rollers to assure maximum density and minimum permeability.

III. STRUCTURAL BACKFILL

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other compaction equipment. The material needs to fill the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horinontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.

IV. PIPE CONDUITS

All pipes shall be circular in cross section.

A. Corrugated Metal Pipe

1. Materials - (Steel Pipe) - This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specifications M-190 Type A with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound.

Steel pipes with polymeric coatings shall have a minimum coating thickness of 0.01 inch (10 mil) on both sides of the pipe. The following coatings are commercially available: Nexon, Plasti-Cote, Blac-Klad, and Beth-Cu-Loy. Coated corrugated steel pipe shall meet the requirements of AASHTO M-245 and M-246.

Materials - (Aluminized Steel Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-274-791 with watertight coupling bands or flanges.

Materials - (Aluminum Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-196 or M-211 with watertight coupling bands or flanges. Coupling bands, anti-seep collars, end sections, etc. must be composed of the same material as the pipe. Metals must be insulated from dissimilar materials with use of rubber or plastic insulating materials at least 24 mils in thickness. Aluminum surfaces that are to be in contact with concrete shall be painted with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be less than 9 and greater than 4.

- 2. Connections All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded all around when the pipe and riser are metal. Watertight coupling bands or flanges shall be used at all joints. Anti-seep collars shall be connected to the pipe in such a manner as to the completely watertight. Dimple bands are not considered to be watertight.
- Bedding The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable soil is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
- 4. Laying pipe The pipe shall be placed with inside circumferential laps pointing downstream and with the longitudinal laps at the sides,
- 5. Backfilling shall conform to structural backfill as shown above.
- 6. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

Reinforced Concrete Pipe

- Materials Reinforced concrete pipe shall have a rubber gasket joint and shall equal or exceed ASTM Specification C-361. An approved equivalent is AWWA Specification C-301.
- 2. Bedding All reinforced conrete pipe conduits shall be laid in a concrete bedding for their entire length. This bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe at least 10% of its outside diameter with a minimum thickness of 3", or as shown on the drawings.
- Laying pipe Bell and spigot pipe shall be placed with the bell end upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed for the entire line, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the
- 4. Backfilling shall conform to structural backfill as shown above.
- 5. Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.
- C. For pipes of other materials, specific specifications shall be shown on the drawings.

V. CONCRETE

1. Materials

- a. Cement Normal Portland cement shall conform to the latest ASTM Specification C-150.
- b. Water The water used in concrete shall be clean, free from oil, acid, alkali, scales, organic matter or other objectionable substances.
- c. Sand The sand used in concrete shall be clean. hard, strong and durable, and shall be well graded with 100 percent passing a one-quarter inch sieve. Limestone sand shall not be used.
- d. Coarse Aggregate The coarse aggregate shall be clean, hard, strong and durable, and free from clay or dirt. It shall be well graded with a maximum size of one and one-half (1-1) inches.
- e. Reinforcing Steel The reinforcing steel shall be deformed bars of intermediate grade billet steel conforming to ASTM Specification A-615.
- 2. Design Mix The concrete shall be mixed in the following proportions, measured by weight. The water-cement ratio shall be 5-1 to 6 U.S. Gallons of water per 94 pound bag of cement. The proportion of materials for the trial mix shall be 1:2:3-\frac{1}{2}. The combination of aggregates may be adjusted to produce a plastic and workable mix that will not produce harshness in placing or honeycombing in the structure.
- Mixing The concrete ingredients shall be mixed in batch mixers until the mixture is homogeneous and of uniform consistency. The mixing of each batch shall continue for not less than one and one-half minutes after all the ingredients, except the full amount of water, are in the mixer. The minimum mixing time is predicted on proper control of the speed of rotation of the mixer and of the introduction of the materials, including water, into the mixer. Water shall be added prior to, during, and following the mixer-charging operations. Excessive overmixing requiring the addition of water to preserve the required concrete consistency shall not be permitted. Truck mixing will be allowed provided that the use of this method shall cause no violation of any applicable provisions of the specifications given here.
- 4. Forms The forms shall have sufficient strength and rigidity to hold the concrete and to withstand the necessary pressure, tamping, and vibration without deflection from the prescribed lines. They shall be mortar-tight and constructed so that they can be removed without hammering or prying against the concrete.

The inside of forms shall be oiled with a nonstaining mineral oil or thoroughly wetted before concrete is placed.

Forms may be removed 24 hours after the placement of concrete. All wire ties and other devices used shall be recessed from the surface of the

- 5. Reinforcing Steel All reinforcing material shall be free of dirt, rust, scale, oil, paint or any other coatings. The steel shall be accurately placed and securely tied and blocked into position so that no movement of the steel will occur during placement of concrete.
- 6. Consolidating Concrete shall be consolidated with internal type mechanical vibrators. Vibration shall be suplemented by speding and hand tamping as necessary to insure smooth and dense concrete along form surfaces, in corners, and around embedded items.
- 7. Finishing Defective concrete, honeycombed areas, voids left by the removal of tie rods, ridges on all concrete surfaces permanently exposed to view or exposed to water on the finished structure, shall be repaired immediately after the removal of forms. All voids shall be reamed and completely filled with dry-patching mortar.
- 8. Protection and Curing Exposed surfaces of concrete shall be protected from the direct rays of the sun for at least the first three (3) days. All concrete shall be kept continuously moist for at least ten (10) days after being placed. Moisture may be applied by spraying or sprinkling as necessary to prevent the concrete from drying. Concrete shall not be exposed to freezing during the curing period. Curing compounds may also be used.
- 9. Placing Temperature Concrete may not be placed at temperatures below 37°F with the temperature falling, or 34° with the temperature rising.

VI. STABILIZATION

All borrow areas shall be graded to provide proper drainage and left in a sightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized by seeding, liming, fertilizing and mulching (if required) in accordance with the vegetative treatment specifications or as shown on the accompanying drawings.

VII. EROSION AND SEDIMENT CONTROL

Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construc-

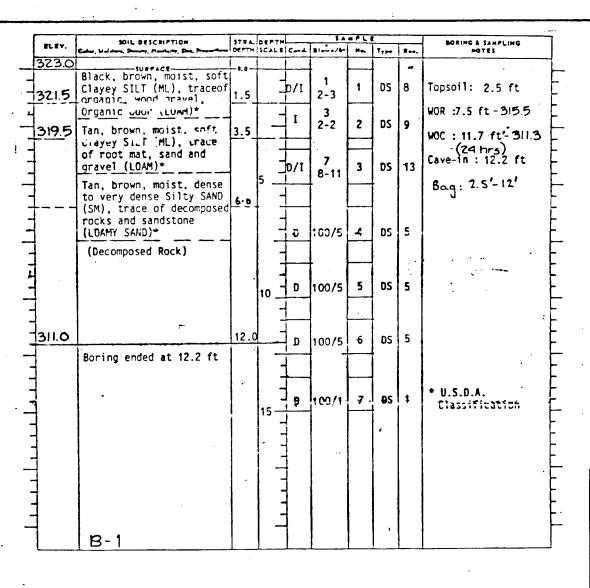
NOTE WOR: WATER ON ROD

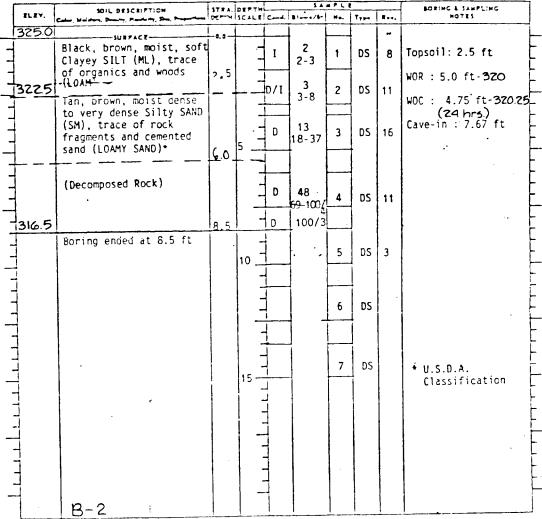
WATER ENCOUNTERED DURING

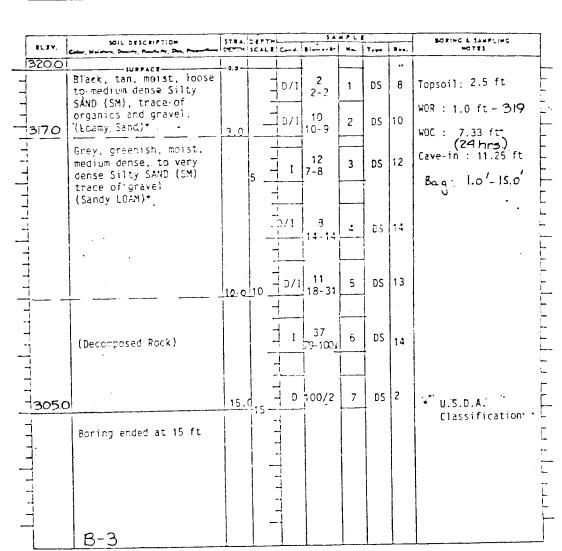
BORING OPERATION.

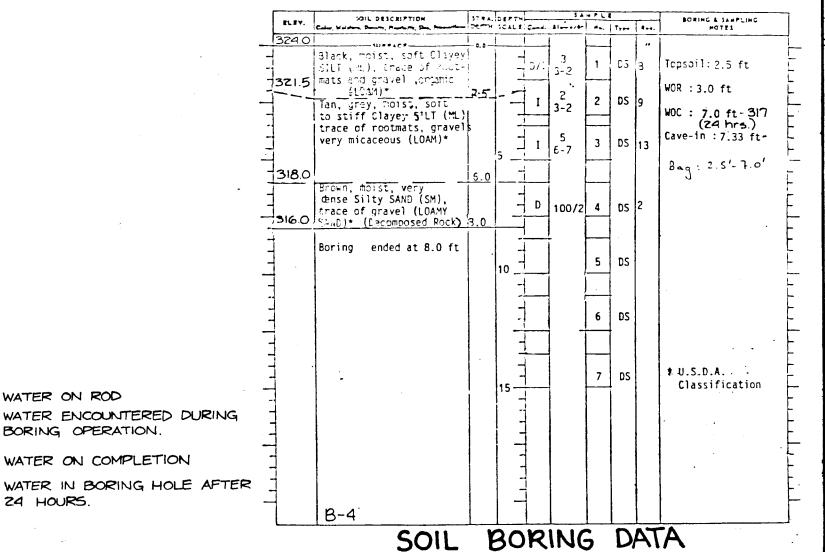
WOC: WATER ON COMPLETION

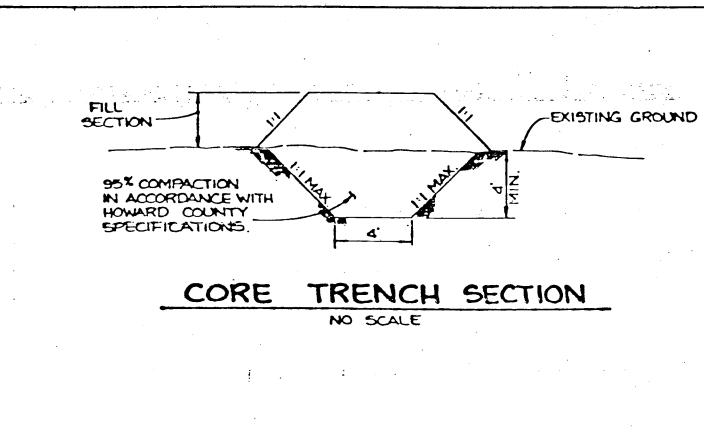
24 HOURS.











BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DIS-TRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

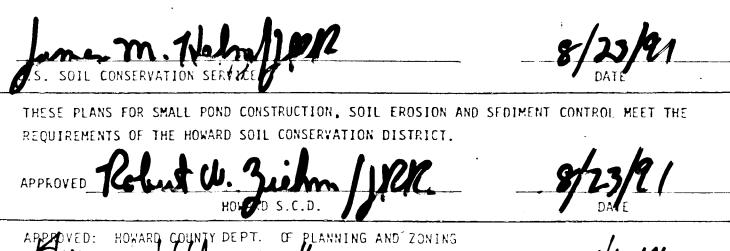
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ENGINEER		DATE		

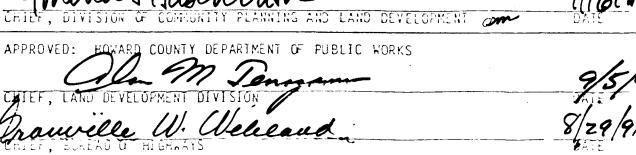
BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS. AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CER-TIFICATE OF ATTENDANCE AT A MARYLAND DEPT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION

Lames	2	myl	en A	
DEVELOPER:		Ţ	77	
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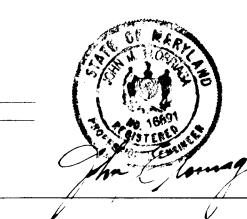
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSIGN AND SEDIMENT CONTROL.





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TSA GROUP, INC. -planning - erchitecture - engineering 5480 Baltimore National Pike . Ellicott City, Maryland 21043 . (501)465-6105



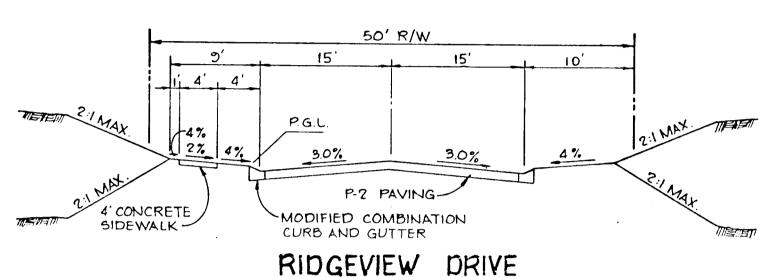
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NER SECURITY DEVELOPMENT CORP. P.O. BOX 417	PROJECT - OAK RIDGE SECTION ONE, AREA ONE			
ELLICOTT CITY, MARYLAND 21043 (301) 465-4244 VELOPER	LOCATION TAX MAP NO.42 PARCEL NO. 201, 202 & 327 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND			
SECURITY DEVELOPMENT CORP. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21043	TITLE STORMWATER MANAGEMENT P-89-83 S-83-28 DETAILS			
(301) 465-4244	DATE: MARCH 5, 1991 PROJECT NO. 0293			
S. JH DRN.	SCALE: AS SHOWN DRAWING 7 OF 9			

NOTE: I THE SURFACE OVERLAY SHALL BE TO THE & OF ROAD AND NOTCHED AND SEALED

- 2 SURFACE OVERLAY COURSE TO BE EQUAL TO THE SURFACE COURSE OF THE PROPOSED PAVEMENT SECTION
- 3 & OF ROAD TO BE MILLED AT DEPTH OF 1½"x1' WIDE USING A MILLING MACHINE

GUILFORD ROAD PAVEMENT JUNCTURE AND OVERLAY DETAIL

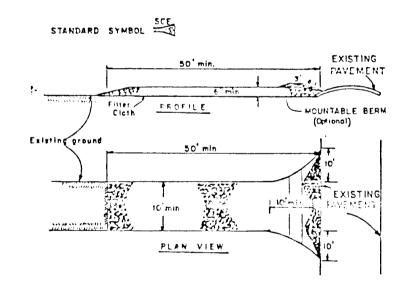
NO SCALE



CLASSIFICATION LOCAL ROAD DESIGN SPEED: 30 MPH ZONING: R12

TYPICAL SECTION

NO SCALE



PERSPECTIVE VIEW

SECTION

CONTRACTION WHEN FOR FARRICHED SHIT FENCE

High strength polypropylene netting or worth what fence (1472 Ga mm. max 6" mesh spacing) with filter cloth over-

High strength polypropylene netting or 1. MOVEN WHRE FENCE TO BE FASTEND SECURELY TO FENCE POSTS WITH WHRE TIES OR STAPLES.

FILTER CLOTH TO BE FASTENED SECURELY TO HOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

3: When the sections of filter cloth Aluein each other they shall be over-LAPPED by SIX INCHES AND FOLDED.

Maintenance shall be performed as Meeded and material removed hien Bulges" Develop in the silt fence.

 Stone Size - Use 2° stone, or reclaimed or recycled concrete equivalent.
 Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply). Thickness - Not less than six (6) inches.

Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.

points where ingress or egress occurs.

5. Filter Cloth - Will be placed over the entire area prior to placing of stone Filter will not be required on a single family residence lot.

6. Curface Water - All aurface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with fil slopes will be permitted.

7. Haintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment Tyille?, dropped, warhed or tracked onto public rights-of-way most be removed immediately.

endiment Tpilled, dicpped, washed or tracked onto public rights or was important to immoved immediately.

B. Mashing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping 9. Periodic inspection and needed maintenance shall be provided after each rain.

CONSTRUCTION ENTRANCE

NO SCALE

High strength polypropylene netting --- WOVEN WIRE FENCE IMP IN V2 GALIGE, MAX 8" MESH

STANGARD STMBOL

POSTS: STEEL EITHER T OR U
TYPE OR 12"x12" Min. (Actual)

high strength polypropylene netting

FENCE: Hardwood Hoven Hipe, 14. Ga. 6" Max. Mesh Opening or

FILTER CLOTH: FILTER X,
MIRAFI 100X, STABILINKA 1140N OR APPROVED

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

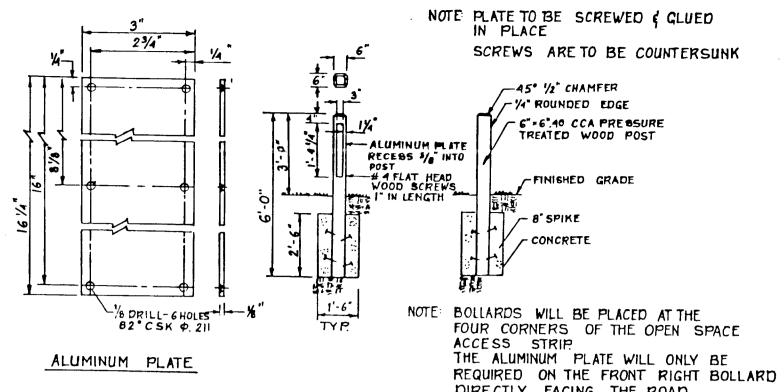
POSITIVE DRAWAGE -GRADE SUFFICIENT TO DRAIN STANDARD SYMBOL

> CONSTRUCTION SPECIFICATIONS ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
>
> ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
>
> IOP MIDTH MAY BE MIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
>
> [FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
>
> LARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. PLANGES SHALL BE COMPAYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SELIMENT BASIN MERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
>
> STABILIZED SHELL RE: (A) IN ACCREDING RITH STREETING THE DIRE ARE REI
> AND STRAM MALOH OR STRAM MALOH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER
> THE CHART BELOW.

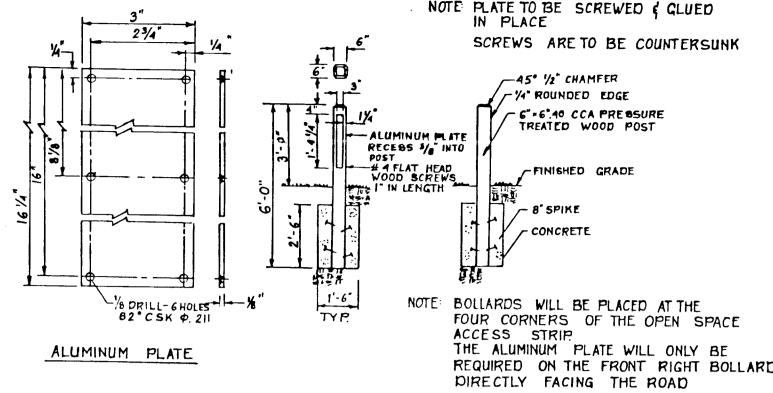
		ELOH CHARVEL STABILIZATION	
THE OF	CHAMEL GRAVE	DINE A	DIKE B
1	.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAH MUCH
2	3.1-5.0%	SEED AND STRAM MULCH	SEED USING JUTE, OR EXCELSIOR; SOD; 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOO; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-207	LINED RIP-RAP 4-8"	ENGINEERING DESIGN
B. RIP-RAI THE SO	TO BE 4-8 INCHES I	OR RECYCLED CONCRETE EQUIVALI- PRESSED INTO THE SOIL WITH I N A LAYER AT LEAST 8 INCHES E SUBSTITUTED FOR ANY OF THE ITED MAINTENANCE MUST BE PRO-	CONSTRUCTION EQUIPMENT. THICKNESS AND PRESSED INTO

EARTH DIKE

NO SCALE



OPEN SPACE BOLLARD DETAIL



NO SCALE

NOTE: TO BE USED FOR ALL BUILDING ENTRANCES

5.H.A. MIX NO.2 CONCRETE

MODIFIED CURB AND GUTTER.

* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE

OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL DE SLOPED AT THE SAME RATE AND IN THE SAME DIRECTION AS THE PAVEMENT. MATCH PAVEMENT CROSS SLOPE WHEN CURB IS LOCATED ON LOW SIDE OF SUPERELEVATED SECTION AND THE RATE OF SUPERELEVATION IS GREATER THAN 3% FOR

MODIFIED COMBINATION

CURB AND GUITER

NO SCALE

4' WIDE

UNLESS OTHERWISE NOTED

2%

SIDEWALK DETAIL

NO SCALE

CLASS 'A' CONCRETE

0 0 0 0 V

EXCEPT THOSE THAT ARE EXCLUSIVELY FIRE EXITS.

PAVEMEN', WIDTH INDICATED ON

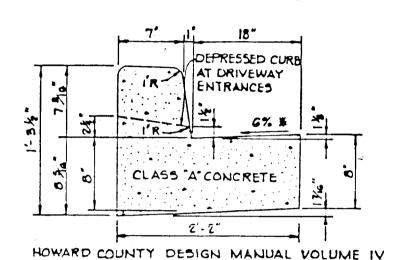
TYPICAL STREET SECTIONS TO BE

MEASURED TO THIS POINT (FLOW LINE)

MODIFIED COMBINATION

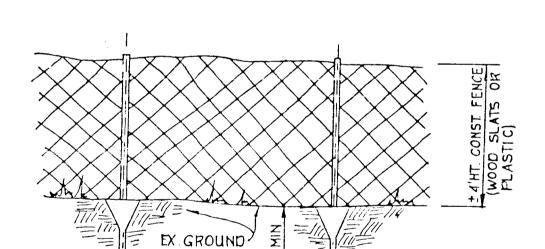
CURB & GUTTER TO BE USED

ONLY ON LOCAL CUL-DE-SAC AND MINOR COLLECTOR



STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-3.01) # GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

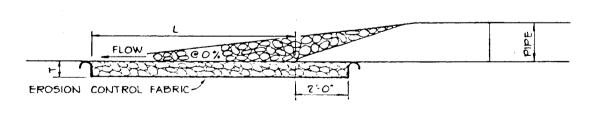
STANDARD 7" COMBINATION CURB AND GUTTER



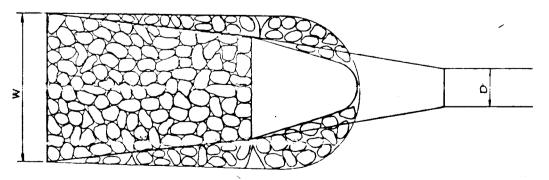
NO SCALE

TYPICAL TREE PROTECTION FENCE DETAIL NO SCALE

STEEL STAKES

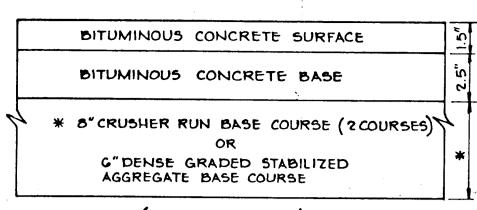


SECTION



PLAN			
d - 50	LENGTH	WIDTH (W)	THICKNESS
0.50'	8'	10	1.13'
0.50	8'	10'	1.13
		<u> </u>	
	d - 50 0.50'	d - 50 LENGTH (L)	d - 50 LENGTH WIDTH (W) (W)

OUTLET PROTECTION DETAIL

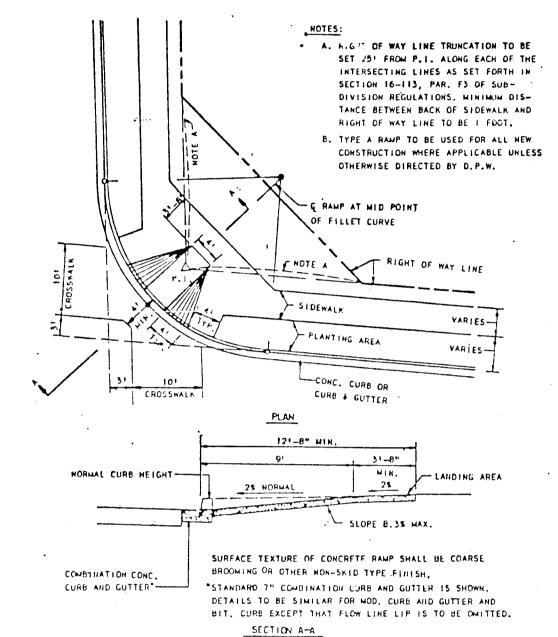


(ALTERNATE) BITUMINOUS CONCRETE SURFACE BITUMINOUS CONCRETE BASE

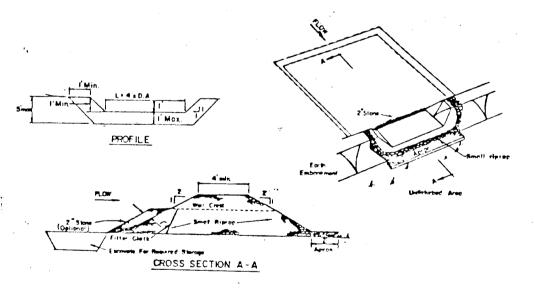
HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-201)

6½"PAVING, P-2

NO SCALE



SIDEWALK RAMP DETAIL NO SCALE



OPTION: A one foot layer of 2" store may be placed on the upstream side of the riprap in place of the embedded filter clott

- CONSTRUCTION SPECIFICATIONS FOR ST-V

 1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots and other woody vegetation as well so over-sized stoner, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- 3. All cut and fill slopes shall be 2:1 or flatter.
- 4. The stone used in the sutlet shall be small riprap 4"-8" along with a 1' thickness of 2" aggregate placed on the up-grade side on the small riprap DR embedded filter cloth in the
- Sediment shall be removed and trap restored to its original dimensions when the sediment
 has accumulated to it the design depth of the trap.
- 6. The structure shall be inspected after each rain and repairs made as moveded.
- 7. Construction operations shall be carried out in such a manner than erosion and water
- 8. The structure shall be removed and the area stabilized when the drainage area has been

STONE OUTLET SEDIMENT TRAP

NO SCALE

LIGHTING FIXTURE NOTE ALL STREET LIGHT FIXTURES TO BE 150 WATT MODERN SODIUM VAPORLAMP MOUNTED ON 14 GRAY FIBERGLASS

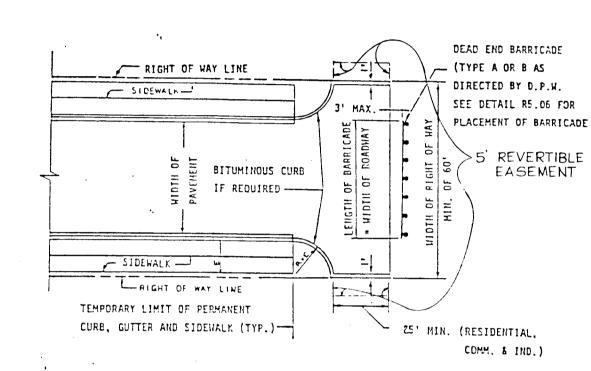
DES.

JH

DRN. IP

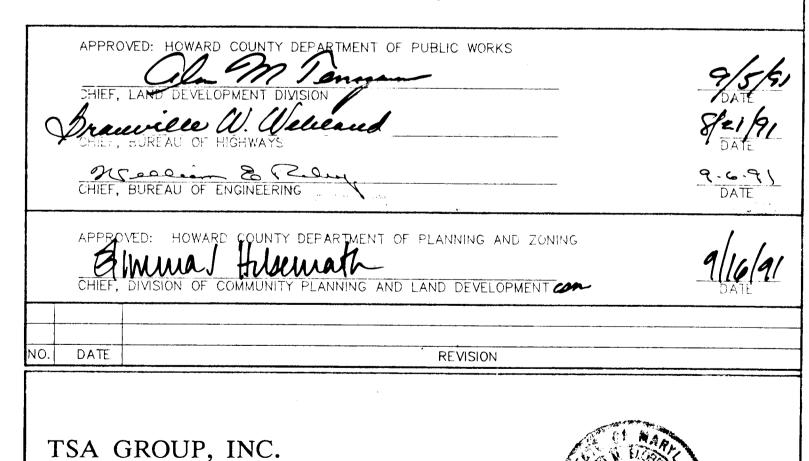
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.



- 1. A TEE TURN-AROUND SHALL BE USED IN LIEU OF A CUL-DE-SAC ONLY IF THE STREET IS TO BE EXTENDED IN THE FUTURE.
- 2. BITUMINOUS CURE SHALL EXTEND AROUND THE TEE TURN-AROUND IF AND AS REQUIRED TO CONTROL CURB DRAINAGE FROM THE ROADWAY SECTION.
- 3. REFER TO STANDARD R-5.06 FOR TYPICAL ROADWAY PROFILE OF TEMPORARY LIMIT OF PAVING.
- * FOR LOCAL ROADS, PROVIDE 5' REVERTIBLE EASEMENT EACH END OF THE TEE.
- 4. PROVIDE EASEMENTS AS REQUIRED FOR PLACEMENT OF BARRICADE AND ANY NECESSARY GRADING (SEE DETAIL RS. 05)

TEE TURN - AROUND NO SCALE



planning · architecture · engineering 8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301)465-6105 WNER PROJECT OAK RIDGE SECTION ONE, AREA ONE P.O. BOX 417

SECURITY DEVELOPMENT CORP. ELLICOTT CITY, MARYLAND 21043 LOCATION TAX MAP NO.42 (301) 465-4244PARCEL NO. 201, 202 & 327 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND DEVELOPER TITLE SECURITY DEVELOPMENT CORP. DETAILS P.O. BOX 417 P-89-83 ELLICOTT CITY, MARYLAND 21043 S-88-28 (301) 465-4244DATE: MARCH 5, 19 ୭ JUNE 20, 19 ୭ 1 PROJECT NO. 0293

AS SHOWN

SCALE:

F-91-127

DRAWING 8 OF 9

63

H5